

What is Claimed is:

1. A method for a radio transmission-enabled portable digital data storage device, comprising steps of:

5 S100 starting operation;

S110 verifying the type and related settings of the storage device by a simple management module (SMM) that is electrically connected to the storage device, and executing functions of modules that are electrically connected to the SMM;

10 S120 determining whether stored data to be transmitted through e-mail; if positive, going to S121;

S121 transmitting the data to a preset e-mail address, entering S150;

S150 ending operation.

2. A radio transmission-enabled portable digital data storage device, comprising at least:

a data storage device for storing digital data;

15 a simple management module (SMM) for verifying the type and related settings of the storage device which is electrically connected therewith and executing functions of various modules that are electrically connected to the SMM;

20 an external connection device linking electrically to the data storage device to connect an external electronic device for transmitting digital data stored in a memory device to a preset e-mail box or an Internet address through a desired data transmission means;

a pushbutton device connected electrically to the SMM for controlling digital data transmission of the portable storage device; and

25 a mobile communication module electrically connected to the external connection device for transmitting the digital data stored in the data storage device to the preset e-mail box or the Internet address.

3. The radio transmission-enabled portable digital data storage device of claim 2, wherein the SSM is selected from the group consisting of Electrically Erasable & Programmable ROM (EEROM), Flash ROM, Erasable & Programmable ROM (EPROM), and Electrically Erasable & Programmable ROM (EEPROM).

30 4. The radio transmission-enabled portable digital data storage device of claim 2, wherein the data storage device is selected from the group consisting of Synchronous Dynamic Random Access Memory (SDRAM), Double Duration Rate Random Access Memory (DDR RAM), Direct RDAM (Direct RAM BUS DRAM), and Synchronous Link DRAM (SLDRAM).

35 5. The radio transmission-enabled portable digital data storage device of claim 2, wherein the external connection device is selectively an IEEE-1394 interface and a Universal Serial Bus (USB).

6. The radio transmission-enabled portable digital data storage device of claim 2, wherein the mobile communication module is selectively a 2.5G communication module or a 3G communication module.
7. The radio transmission-enabled portable digital data storage device of claim 2 further including a MP3 player which is electrically connected to the external connection device and the SMM to broadcast MP3 and compatible files.
8. The radio transmission-enabled portable digital data storage device of claim 2 further including a radio receiving module which is electrically connected to the external connection device and the SMM to receive and broadcast radio contents.
9. The radio transmission-enabled portable digital data storage device of claim 2 further including a digital video camera which has a digital camera lens and is electrically connected to the external connection device and the SMM to take pictures and store the pictures in the data storage device.
10. The radio transmission-enabled portable digital data storage device of claim 2 further including an audio recording device which is electrically connected to the external connection device and the SMM to store external audio signals in file formats in the data storage device.
11. The method of claim 1, wherein the following steps are executed when the outcome of the step S120 is negative:
 - S130 determining whether the stored data to be transmitted through the Internet; if positive, going to S131; and
 - S131 transmitting the data to a preset Internet address, going to S150;
12. The method of claim 11, wherein the following step is executed when the outcome of the step S130 is negative:
 - S140 no transmitting of the stored data; going to S150;